CIVIL QUALITY CONSULTANTS & ENGINEERS

(Buildings Geo-Tech & Highway Materials Testing Laboratory)
An ISO 9001: 2015 Certified Company
NABL Accredited As Per ISO/IEC : 17025:2005 Laboratory

JAS-ANZ

ISO 9001:2008 CERTIFIED

No.: CQCE/BBMP/DM/16/2020-2021

Date 19.09.2020

GRADATION FOR WMM

Client : Executive Engineer, RR Nagar Division,BBMP, Bangalore.
Agency : Sri.Damodar Manjunath, Contractor, Bangalore.
Name of Work :Comprehensive Development of roads and drains in ward no. 16, Rajarajeshwarinagara Assembly Constituency under Package-2019-20 RRN-DIV-(01), BBMP, Bangalore
IS Code: :IS 2386 (Part 1):1963(RA 2011)
Date of Testing 17.09.2020 to 19.09.2020
Material Type : Wet Mix Macadam

Oven Dry.Wt, grar 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	215	215	2.2	97.9	95-100
22.4	2546	2761	27.6	72.4	60-80
11.2	2178	4939	49.4	50.6	40-60
4.75	1859	6798	68.0	32.0	25-40
2.36	1142	7940	79.4	20.6	15-30
0.600	574	8514	85.1	14.9	8-22
0.075	1205	9719	97.2	2.8	0-5

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Asst. Executive Engineer
Yeshwanthpura Sub-Division
Bruhat Bangalore Mahanagara Palike

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Office & Laboratory : # 133, Bhuvaneshwarinagar, Dodda Basti Main Road, Bangalore - 560 056.
e-mail: civilqualityconsultants@gmail.com Ph: 080-23240644 / Mob: 8553518550

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53	0	0	0	100	100
45	209	209	2.1	97.9	95-100
22.4	2415	2624	26.2	73.8	60-80
11.2	2106	4730	47.3	52.7	40-60
4.75	1874	6604	66.0	34.0	25-40
2.36	1163	7767	77.7	22.3	15-30
0.600	598	8365	83.7	16.4	8-22
0.075	1163	9528	95.3	4.7	0-5

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53	0	0	0	100	100
45	217	217	2.2	97.8	95-100
22.4	2565	2782	27.8	72.2	60-80
11.2	2085	4867	48.7	51.3	40-60
4.75	1798	6665	66.7	33.4	25-40
2.36	1185	7850	78.5	21.5	15-30
0.600	623	8473	84.7	15.3	8-22
0.075	1089	9562	95.6	4.4	0-5

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53	0	0	0	100	100
45	208	208	2.1	97.9	95-100
22.4	2653	2861	28.6	71.4	60-80
11.2	2015	4876	48.8	51.2	40-60
4.75	1856	6732	67.3	32.7	25-40
2.36	1125	7857	78.6	21.4	15-30
0.600	656	8513	85.1	14.9	8-22
0.075	1048	9561	95.6	4.4	0-5

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53	0	0	0	100	100
45	217	217	2.2	97.8	95-100
22.4	2589	2806	28.1	71.9	60-80
11.2	2145	4951	49.5	50.5	40-60
4.75	1875	6826	68.3	31.7	25-40
2.36	1169	7995	80.0	20.1	15-30
0.600	698	8693	86.9	13.1	8-22
0.075	1055	9748	97.5	2.5	0-5

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53	0	0	0	100	100
45	219	219	2.2	97.8	95-100
22.4	2468	2687	26.9	73.1	60-80
11.2	2089	4776	47.8	52.2	40-60
4.75	1975	6751	67.5	32.5	25-40
2.36	1175	7926	79.3	20.7	15-30
0.600	715	8641	86.4	13.6	8-22
0.075	1069	9710	97.1	2.9	0-5

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53	0	0	0	100	100
45	231	231	2.3	97.7	95-100
22.4	2654	2885	28.9	71.2	60-80
11.2	2187	5072	50.7	49.3	40-60
4.75	1748	6820	68.2	31.8	25-40
2.36	1096	7916	79.2	20.8	15-30
0.600	765	8681	86.8	13.2	8-22
0.075	1045	9726	97.3	2.7	0-5

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53	0	0	0	100	100
45	285	285	2.9	97.2	95-100
22.4	2485	2770	27.7	72.3	60-80
11.2	2196	4966	49.7	50.3	40-60
4.75	1742	6708	67.1	32.9	25-40
2.36	1036	7744	77.4	22.6	15-30
0.600	748	8492	84.9	15.1	8-22
0.075	1025	9517	95.2	4.8	0-5

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53	0	0	0	100	100
45	209	209	2.1	97.9	95-100
22.4	2512	2721	27.2	72.8	60-80
11.2	2136	4857	48.6	51.4	40-60
4.75	1725	6582	65.8	34.2	25-40
2.36	1045	7627	76.3	23.7	15-30
0.600	869	8496	85.0	15.0	8-22
0.075	1036	9532	95.3	4.7	0-5

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45	216	216	2.2	97.8	95-100
22.4	2415	2631	26.3	73.7	60-80
11.2	2096	4727	47.3	52.7	40-60
4.75	1796	6523	65.2	34.8	25-40
2.36	1121	7644	76.4	23.6	15-30
0.600	875	8519	85.2	14.8	8-22
0.075	1039	9558	95.6	4.4	0-5

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